

California Weather-Hydro Conditions during May 2010

As of May 31, 2010, statewide hydrologic conditions were as follows: precipitation, 115 percent of average to date; runoff, 80 percent of average to date; and reservoir storage, 95 percent of average for the date. Sacramento River unimpaired runoff observed through May 31, 2010 was about 12.3 million acre-feet (MAF), which is about 77 percent of average. For comparison, on May 31, 2009, the observed Sacramento River unimpaired runoff through that date was about 11.1 MAF, or about 70 percent of average.

In general, May was wet and cool due to a series of cold, late-winter storms that brought significant precipitation to the state. On June 1, the Northern Sierra 8-Station Precipitation Index Water Year total was 52.5 inches, which is about 110 percent of the seasonal average to date and about 105 percent of an average water year (50 inches). During May, the precipitation total for the 8-Stations was 4.0 inches, or about 190 percent of average. Last year on June 1, 2009, the seasonal total for the 8-Stations to date was 45.0 inches, or about 95 percent of the seasonal average to date.

Selected Cities Precipitation Accumulation as of 5/31/2010 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2009 - 2010 (in inches)	% Avg	Jul 1 to Date 2008 - 2009 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2009 - 2010
Eureka	42.20	113	29.57	79	111
Redding	30.25	92	21.43	65	90
Sacramento	20.74	117	15.77	89	116
San Francisco	21.39	107	14.53	73	106
Fresno	12.36	112	7.57	69	110
Bakersfield	7.10	111	4.89	77	109
Los Angeles	12.43	95	7.98	61	95
San Diego	10.53	99	9.12	85	98

Key Reservoir Storage (1,000 AF) as of 5/31/2010								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,535	2,155	71	2,448	63	---	913
Shasta Lake	Sacramento	4,461	3,955	113	4,552	98	-91	91
Lake Oroville	Feather	2,505	3,042	82	3,538	71	-1,033	1,033
New Bullards Bar Res	Yuba	908	833	109	966	94	-58	58
Folsom Lake	American	908	836	109	977	93	-69	69
New Melones Res	Stanislaus	1,292	1,501	86	2,420	53	-1,128	1,128
Don Pedro Res	Tuolumne	1,909	1,534	124	2,030	94	-71	121
Lake McClure	Merced	761	716	106	1,025	74	2	264
Millerton Lake	San Joaquin	193	408	47	520	37	44	327
Pine Flat Res	Kings	734	724	101	1,000	73	-83	266
Isabella	Kern	255	295	86	568	45	-286	313
San Luis Res	(Offstream)	1,442	1,660	87	2,039	71	---	597

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month weather precipitation outlook for June 2010, issued May 31, 2010, suggests above average rainfall for Northern California and no tendency for above or below average rainfall for the rest of the State.